

ABSTRACT**METHOD FOR RADIO COMMUNICATION IN A WIRELESS LOCAL AREA
NETWORK AND THE TRANSCEIVER**

A method for radio communication in a wireless local area network including at least one transceiver equipped with an antenna with a controlled directivity pattern, according to which, in addition to the assignment in advance of the threshold value of communication quality H_0 corresponding to the minimum pre-specified communication quality, the current value of communication quality Q_{cur} is periodically determined based on the signal being received, the threshold value of the communication quality H_{max} (corresponding to the pre-specified maximum communication quality) is also additionally assigned in advance. With the current value of communication quality Q_{cur} being greater than or equal to the upper threshold value H_{max} , the information exchange is continued, while with the current communication quality value Q_{cur} being less than the upper threshold value H_{max} , but greater than or equal to the lowest threshold value H_0 , the information exchange is also continued and the procedure for the optimization of antenna beam direction is carried out after a pre-specified time interval T .

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